

In the Claims

Please cancel claim 20 and amend claims 3-19 as follows:

1. (Original) A method for introducing nucleic acid into cells of a region of the human or animal body, which method comprises substantially occluding an efferent vessel from said body region and introducing said nucleic into that body region under pressure via said efferent vessel.
2. (Original) Apparatus for introducing nucleic acid into cells of a region of the body comprising: a reservoir for holding a liquid formulation which comprises said nucleic acid; a catheter tube in fluid communication with said reservoir for conveying said liquid formulation to said body region via an efferent vessel of said body region; pressure development means for pressurising the liquid conveyed by the catheter; and occlusion means for substantially occluding said efferent vessel.
3. (Currently amended) A method ~~or apparatus as claimed in~~ of claim 1 ~~or claim 2~~ wherein said region of the body is an organ of the body.
4. (Currently amended) A method ~~or apparatus as claimed in~~ of claim 3 wherein the organ is selected from the list comprising kidney, heart, spleen, pancreas, lung, adrenal glands, stomach, prostate gland and ovary.
5. (Currently amended) A method ~~or apparatus as claimed in~~ of claim 4 wherein the organ is the liver.
6. (Currently amended) A method ~~or apparatus as claimed in any preceding~~ of claim 1 wherein the nucleic acid is introduced at a pressure of, or the pressure development means are adapted to generate a pressure of, 10-80 mmHg.
7. (Currently amended) A method ~~or apparatus as claimed in any preceding~~ of claim 1

wherein the nucleic acid is in the form of a plasmid.

8. (Currently amended) A method ~~or apparatus as claimed in any preceding~~ of claim 1 wherein occlusion is achieved by or the occluding means comprises one or more balloons.

9. (Currently amended) A method ~~or apparatus as claimed in any preceding~~ of claim 1 wherein the nucleic acid is introduced into said region of the body in less than 60 seconds.

10. (Currently amended) A method ~~or apparatus as claimed in any preceding~~ of claim 1 wherein the liquid formulation comprising said nucleic acid has a total volume of 50-1300 ml.

11. (Currently amended) A method ~~or apparatus as claimed in~~ of claim 10 wherein the liquid formulation comprising said nucleic acid has a total volume of 75-350 ml.

12. (Currently amended) Apparatus ~~as claimed in any one of claims~~ of claim 2 to 11 wherein said reservoir comprises one or more syringe tubes.

13. (Currently amended) Apparatus ~~as claimed in any one of claims~~ of claim 2 to 12 wherein said pressure development means comprises one or more syringes.

14. (Currently amended) Apparatus ~~as claimed in any one of claims~~ of claim 2 to 13 wherein said catheter comprises one or more radial injection ports.

15. (Currently amended) Apparatus ~~as claimed in any one of claims~~ of claim 2 to 14 wherein said catheter comprises 2 lumen.

16. (Currently amended) Apparatus ~~as claimed in~~ of claim 15 wherein one lumen is adapted to receive a guide wire.

PRELIMINARY AMENDMENT

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17. (Currently amended) Apparatus ~~as claimed in~~ of claim ~~14 or~~ 15 wherein one lumen is adapted to allow inflation of the occlusion means.

18. (Currently amended) Apparatus ~~as claimed in~~ of claim 16 wherein the liquid formation passes down the guide wire lumen.

19. (Currently amended) Apparatus ~~as claimed in any one of claims~~ of claim 15 ~~to 18~~ wherein the catheter comprises two lumen which are adapted to allow inflation of the occlusion means.

20. (Cancel)